

Appl. No.: 10/608,580  
Amdt. Dated: 28 June 2005  
Reply to Office Action of: 2 June 2005

**Amendments to the Abstract****ABSTRACT OF THE DISCLOSURE**

The present invention includes a method of growing a doped glass layer [[films]] suitable for optical applications on a substrate comprising the steps of conveying an organometallic compound of the formula  $(R_3SiO)_jM(OR')_k$   $(R_3SiO)_jM(OR')_k$  to the substrate and reacting the silica forming substance and the organometallic compound to form the optical layer on the substrate, where M is a metal;  $R_3$  is methyl, ethyl or propyl;  $R'$   $[R']$  is methyl, ethyl, n-propyl, n-butyl, isobutyl or s-butyl; j is 1, 2, 3 or 4; and k=4-j. The present invention also includes planar optical devices made by the above method. Additionally, the present invention includes an optical fiber made by the above method.